OIPE JC105 FEB 27 2004 PATENT & TRADEMARK OFFICE

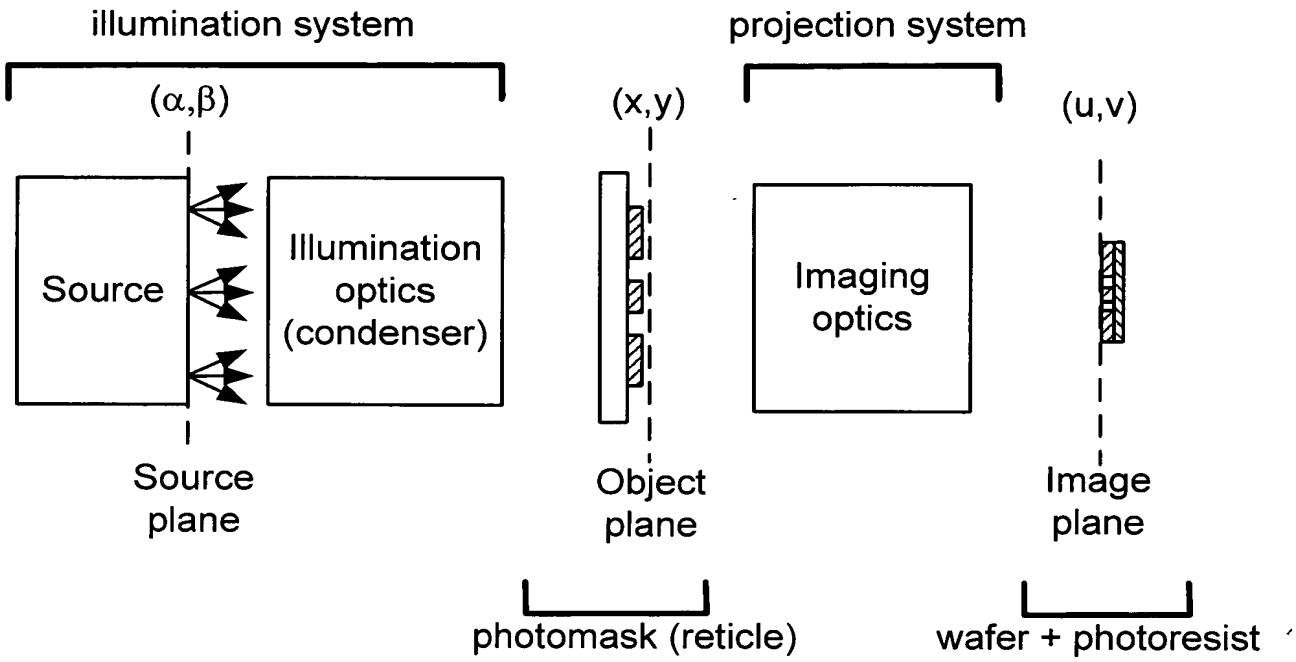

FIG. 1

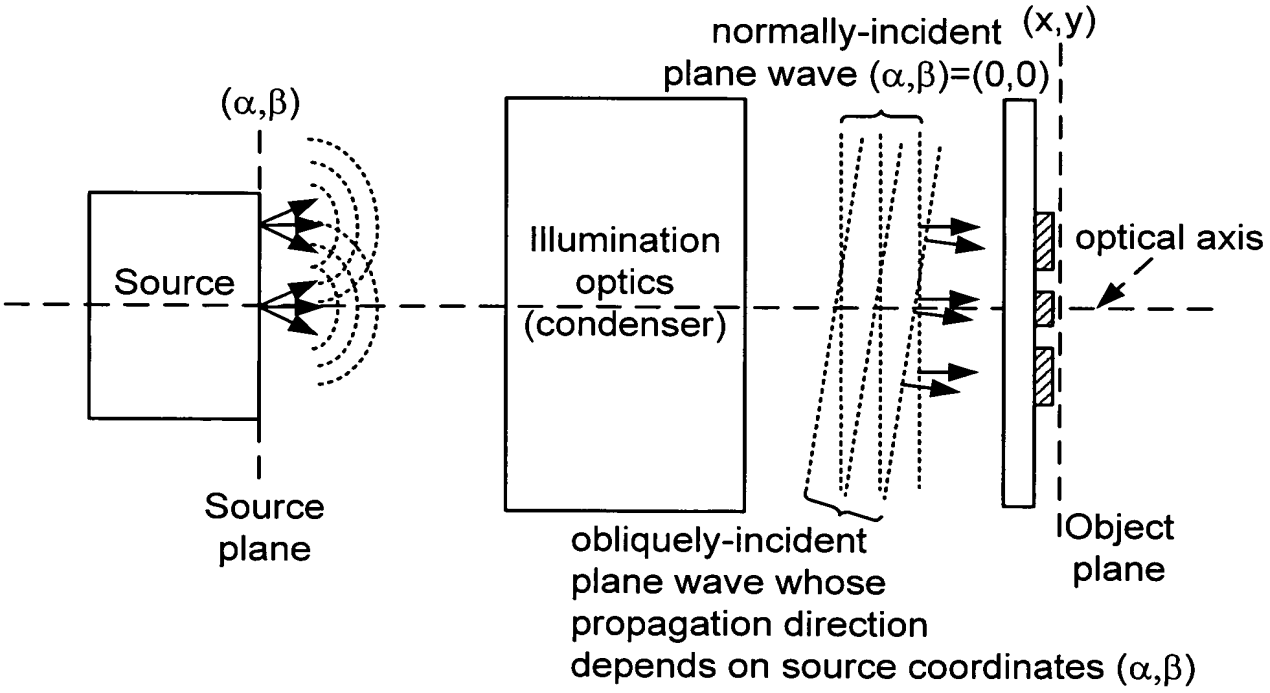

FIG. 2A

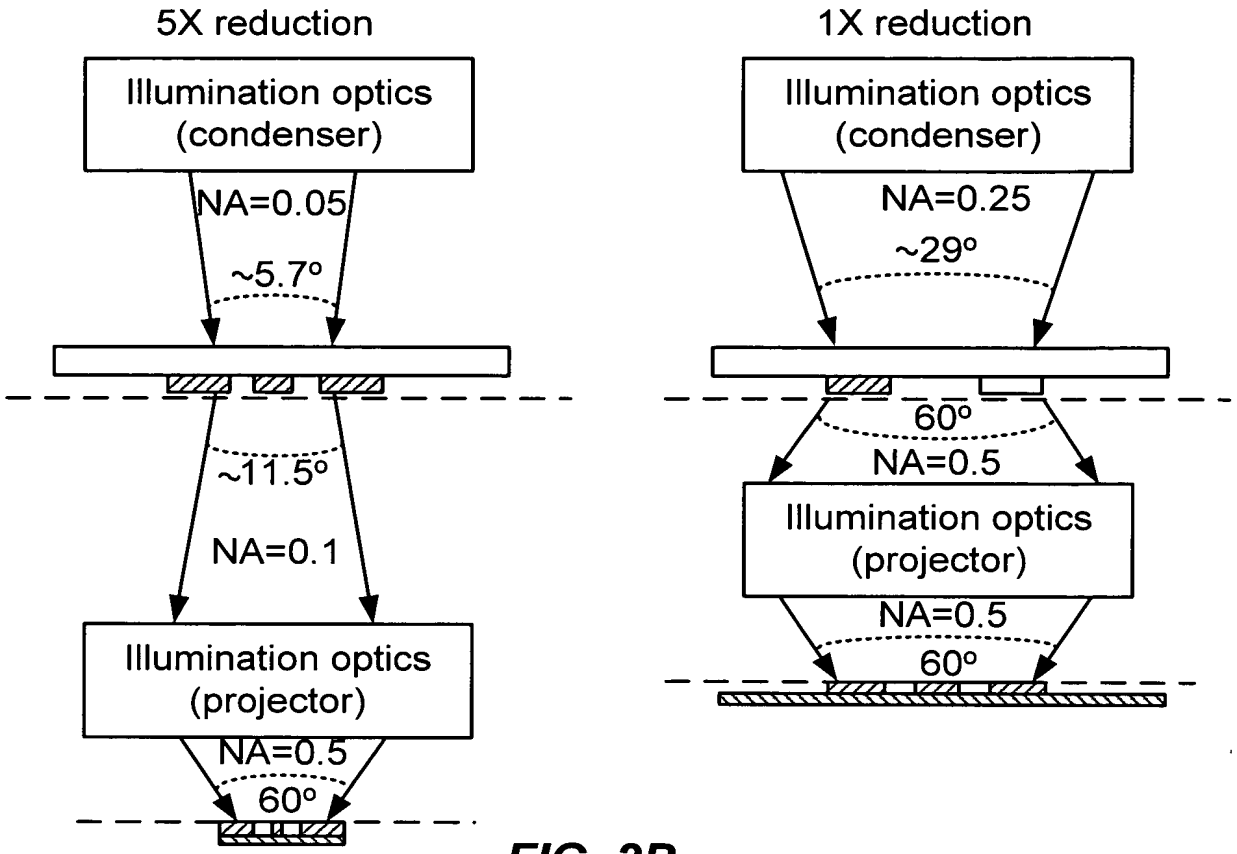
5X reduction
Illumination optics (condenser)
NA=0.05
~5.7°
~11.5°
NA=0.1
Illumination optics (projector)
NA=0.5
60°
1X reduction
Illumination optics (condenser)
NA=0.25
~29°
60°
NA=0.5
Illumination optics (projector)
NA=0.5
60°

FIG. 2B

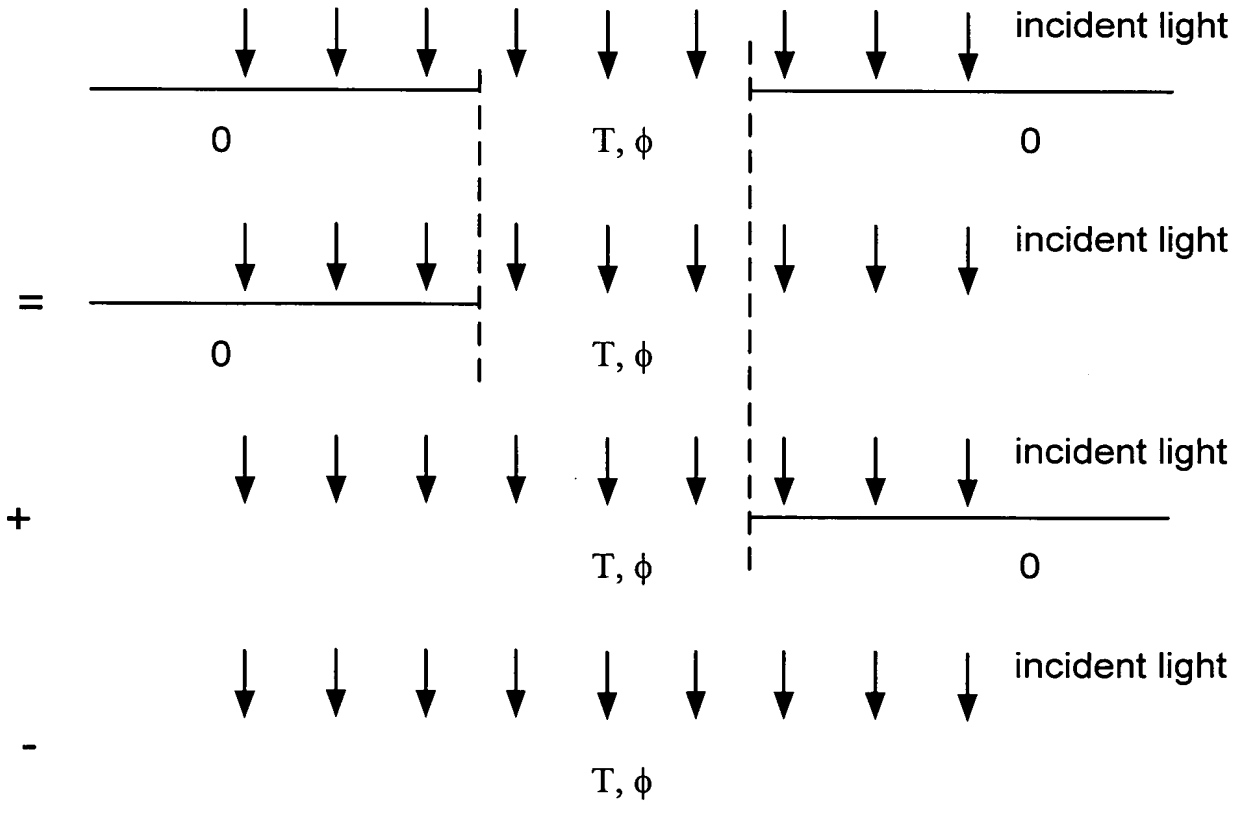
incident light
0
T, ϕ
0
=
+
-

FIG. 4

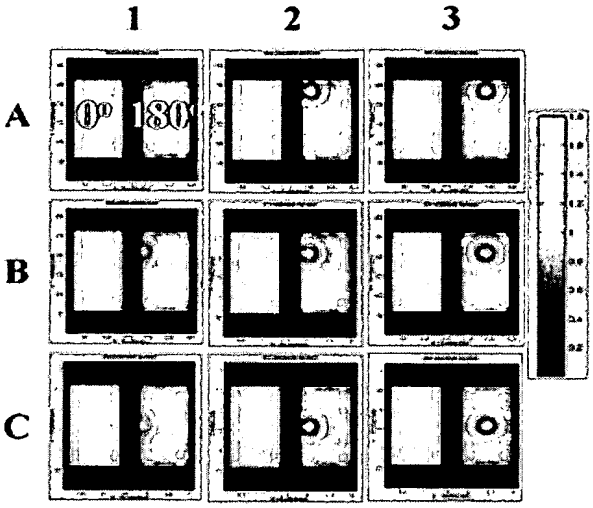

FIG. 19A

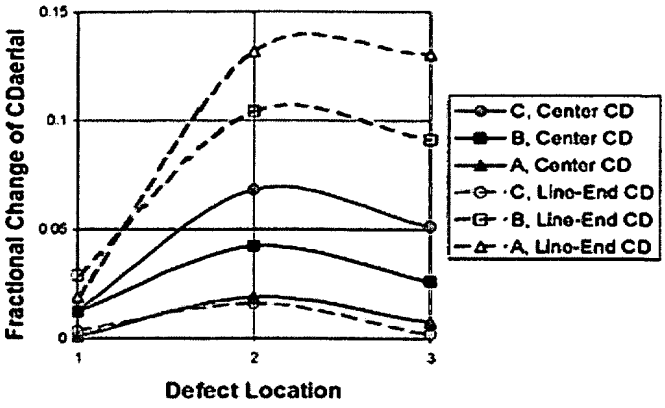

FIG. 19B

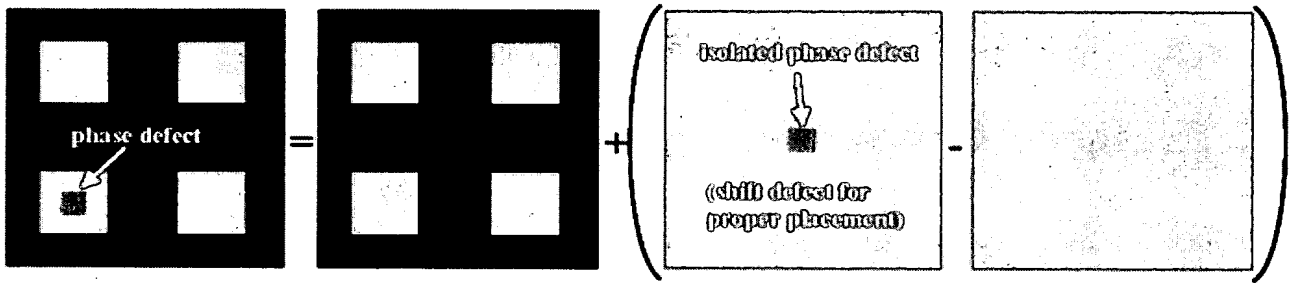

FIG. 20

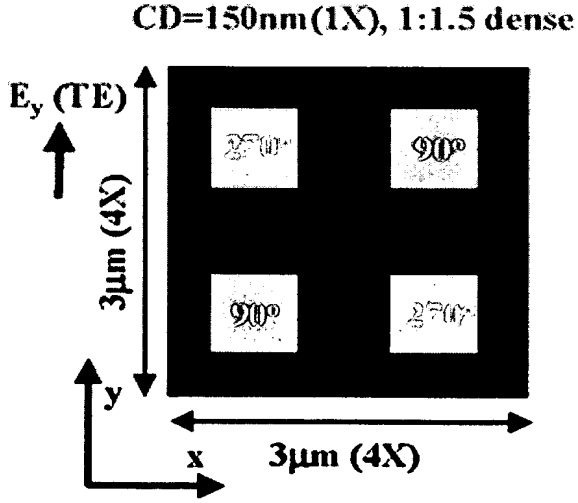

FIG. 21A

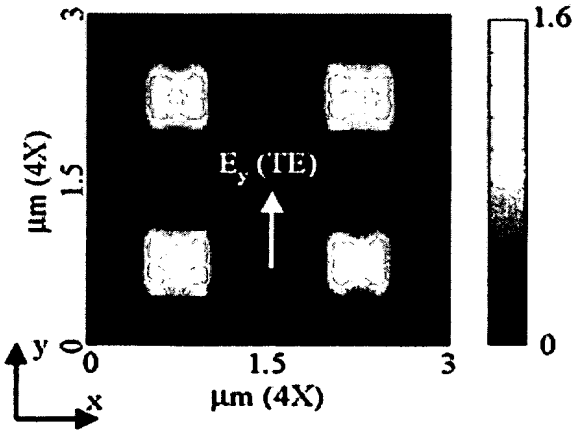

FIG. 21B

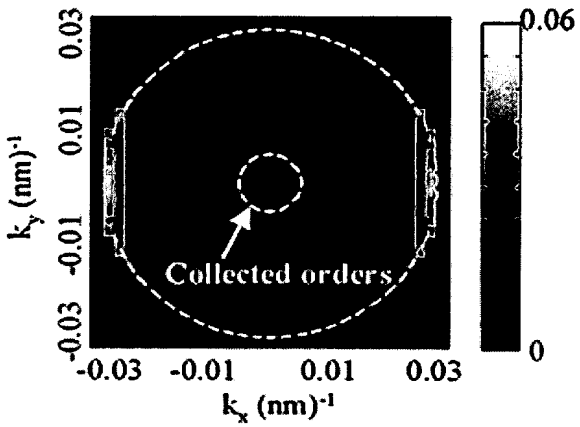

FIG. 26A

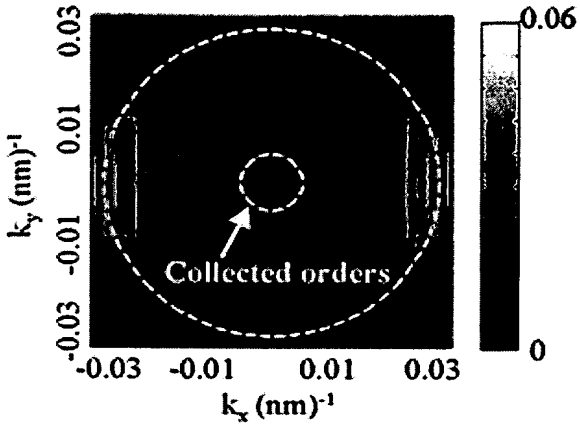

FIG. 26B